

FS 2.60 / 9:12/52

# Morbidity and Mortality

Weekly  
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

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ATLANTA, GEORGIA 30333

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED DECEMBER 28, 1963

## INDEX ISSUE

**BOTULISM** — Two cases of botulism were reported for the week ended December 28. Both cases occurred in California, and are believed related to the ingestion of home processed figs.

These cases bring the cumulative total to 46 cases thus far in 1963. This figure is the highest since 1939 when 47 cases were reported. A total of 46 cases were reported in 1932. These two cases from California bring its total to 10 thus far in 1963, which is the highest for that State since 1951, when 14 cases were reported. (See table right)

An epidemiologic report of the above outbreak will be included in a future issue of the MMWR.

### CALIFORNIA BOTULISM\*

	Outbreaks	Cases	Deaths
1950	3	7	3
1951	7	14	7
1952	5	8	3
1953	2	2	0
1954	2	6	3
1955	2	3	0
1956	4	5	1
1957	1	1	0
1958	1	1	0
1959	2	2	0
1960	0	0	0
1961	0	0	0
1962	1	2	2
1963	3	10	2
	33	62	26

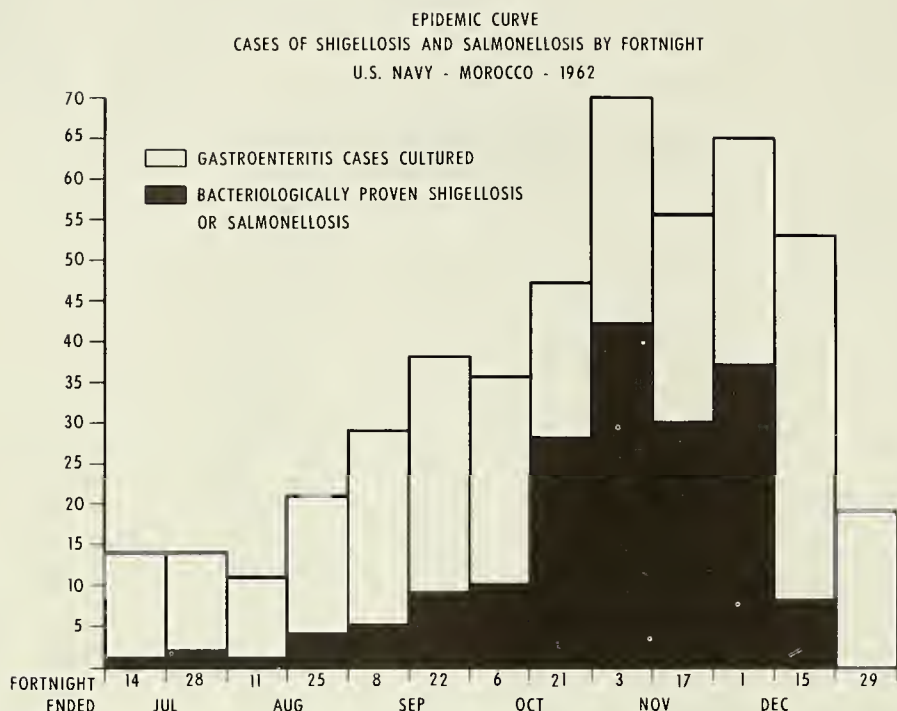
\* Source: California State Department of Health

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous week)

Disease	52nd Week			Cumulative		
	Ended December 28, 1963	Ended December 29, 1962	Median 1958 - 1962	First 52 weeks		
				1963	1962	Median 1958 - 1962
Aseptic meningitis.....	34	19	---	1,831	2,537	---
Brucellosis .....	6	21	13	364	412	718
Diphtheria .....	4	14	24	294	463	906
Encephalitis, infectious.....	25	20	19	1,539	1,790	1,789
Hepatitis, infectious and serum...	786	804	804	42,826	53,306	40,179
Measles.....	3,321	4,492	4,272	387,568	476,721	429,840
Meningococcal infections.....	49	46	46	2,348	2,138	2,242
Poliomyelitis, total.....	3	21	54	431	902	3,301
Paralytic.....	3	16	29	368	717	2,292
Nonparalytic.....	-	5	6	45	132	649
Unspecified.....	-	-	19	18	53	360
Streptococcal sore throat and Scarlet fever .....	6,753	6,092	---	339,316	313,056	---
Tetanus .....	4	3	---	278	292	---
Tularemia .....	7	9	---	293	308	---
Typhoid fever .....	5	13	12	525	632	828
Typhus fever, tick-borne; (Rocky Mountain spotted).....	5	3	---	182	217	---
Rabies in Animals.....	48	49	72	3,680	3,556	3,556

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	4	Psittacosis:	79
Botulism: Calif. - 2	46	Rabies in Man:	1
Malaria:	105	Smallpox:	-
Plague:	1	Typhus, murine: Ohio - 1	29



### EPIDEMIOLOGICAL REPORTS

#### Shigellosis and Salmonellosis - Morocco

Between July 1, 1962 and January 1, 1963 a total of 169 bacteriologically confirmed cases of *Salmonella typhimurium* and *Shigella flexneri* occurred among U. S. Naval dependents living in Morocco. During this 6 month period, 481 individuals were treated for gastroenteritis at the outpatient department of the station hospital, U. S. Naval Air Station, Port Lyautey, Morocco. Several hospitalizations were required because of dehydration. One death was recorded due to the outbreak.

The symptoms experienced by these individuals included nausea, vomiting, diarrhea, abdominal cramps, and fever to 101° for a duration of 24-48 hours. Most of the victims were wives and children living in Kenitra, a town adjacent to the Naval Air Station.

Cultures of 481 cases of gastroenteritis revealed 136 patients harboring *S. flexneri*, Type IIa, and 33 *S. typhimurium*.

The victims had access to 2 water supply systems: the Naval Air Station, which had its own water treatment plant and separate water distribution system, and that of the neighboring town (Kenitra).

Epidemiologically, 154 (91 percent) of those with positive cultures had used the Kenitra water supply, which was obtained from either surface supply (the river)

or shallow wells. The river was always considered to be contaminated as were many wells, which were not capped or covered and may have been drilled at the lower edge of farm land slopes or in valleys. In many places wells were entirely open. The water was inadequately chlorinated. Water in sewer mains ran in the same underground channels. The sewer pipes had only mud seals at their joints. Often the water in the American occupied villas was grossly silty or smelled of sewage. Furthermore, local sanitary practices were meager; animal and human defecation took place in any convenient vacant field or farmland. Flies were abundant. Little rain fell between March and November 1962; from November 1 through January 15, 1963 (during which the peak number of cases occurred) 18.42 inches of rain fell, which is more than twice the average rate of 8.77 inches for that period.

The remaining 15 cases (9 percent) involved individuals who lived on the base. They are believed to have acquired their illness either by eating in restaurants in Kenitra, by contact with infected children at the base nursery, or from ice made in a machine which was attended by a Moroccan employee who was proved to be a carrier.

Water specimens were obtained by random selection for analysis from 58 homes in the European section of Kenitra, where most off-base American homes are located.

**WATER SPECIMENS – KENITRA**  
October 13 – December 8, 1962

Organism	Number Positive Cultures
Salmonella	5
Shigella	18
Salmonella and Shigella	22
Shigella and E. coli	3
E. coli	1
No Growth (48 hrs.)	9

All water tested for residual chlorine content, no matter what the original source, was negative. There was no distinct geographic distribution of the positive cultures obtained from house faucets. No particular water sources could be excluded.

At the time of their arrival new residents were told that the water, except that from the Naval Air Station, must be considered contaminated and that it must be chlorinated before use for drinking, cooking, brushing teeth, or making ice cubes. They were advised to carry water for such purposes from the base to home.

A questionnaire answered by 29 randomly selected cases indicated that at least two breaks in recommended health practices occurred for each case. Basic sanitary

practices were given greater publicity, as a result of this survey.

(Reported by Lt. H. L. Metcalf, MC, USN. Station Hospital, Naval Air Station, Port Lyautey, Morocco, in U.S. Navy Medical News Letter, Vol. 42, No. 9, Nov. 1, 1963, and Capt. Jack W. Millar, Director, Preventive Medicine Division, Department of the Navy, Washington, D.C.)

**Editor's Note:** This outbreak is of unusual interest because of the reported isolation of both Shigellosis and Salmonellosis from a community water supply on repeated occasions. Selective media for these isolations were used. Routine coliform counts were not reported.

### Dengue – Puerto Rico

For the week ended December 28, 520 cases of dengue-like illness were reported to the Puerto Rico Department of Health. The total reported to date is 25,453 cases.

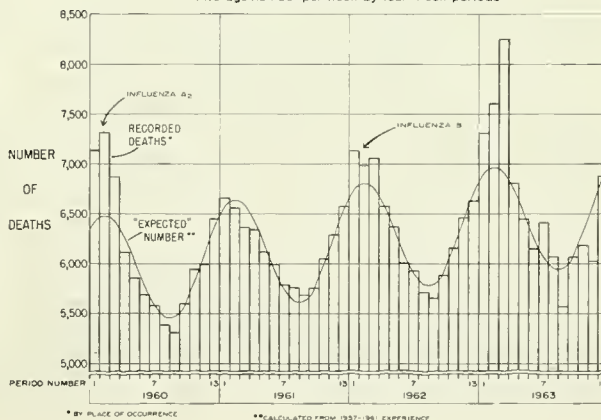
(Reported by Rafael Timothee, M.D., Director, Preventive Medical Services, Puerto Rico Department of Health, and a team from the Communicable Disease Center.)

### SUMMARY OF DEATHS AMONG PERSONS 65 YEARS AND OVER IN 108 U.S. CITIES

The weekly average number of deaths among persons 65 years and over in 108 cities for the four-week period ending December 28 was 6,880 as compared with an expected weekly average of 6,871.

	WEEK ENDING				4 Week Total	Weekly Average
	12/7	12/14	12/21	12/28		
Observed	7,150	6,938	6,804	6,628	27,520	6,880
Expected	6,778	6,843	6,904	6,958	27,483	6,871
Excess	372	95	- 100	- 330	37	9

DEATHS AT AGE 65 AND OVER IN 108 U.S. CITIES  
Average number per week by four-week periods





## POLIOVIRUS ISOLATIONS - 1962

Reports of attempted virus isolations on specimens from 580 poliomyelitis cases with onset during the year 1962 were received by the Poliomyelitis Surveillance Unit of the Communicable Disease Center. This represents isolation attempts from 64 percent of the total of 909 cases reported to the Poliomyelitis Surveillance Unit.

Of these 580 specimens, 464 (66 percent) yielded a poliovirus. Of those with virus type specified, 344 (75 percent) were Type I and 110 (24 percent) were Type III. Type II was isolated from only 8 cases. The number of specimens studied and the type distribution for the past five years are shown in the following table:

Year	Total Cases*	Number Studied**	Percent Studied	Poliovirus Type			Percent		
				1	2	3	1	2	3
1958	6,125	2,470	40	1,171	36	256	80.0	2.5	17.5
1959	8,635	4,222	49	2,464	11	300	88.8	0.4	10.8
1960	3,304	1,595	48	813	2	281	74.2	0.2	25.6
1961	1,356	735	54	290	6	185	60.3	1.2	38.5
1962	909	580	64	344	8	110	74.5	1.7	23.8

\* Cases reported as poliomyelitis on preliminary Poliomyelitis Surveillance Case Records.

\*\*Includes all cases on which one or more fecal specimens were examined for virus isolation. State and local health department laboratories and the laboratories in academic centers reported these results through State Epidemiologists to the Poliomyelitis Surveillance Unit.

From the 683 paralytic cases reported to the Polio Surveillance Unit in 1962 (See MMWR, Vol. 12, p. 379), there were 397 poliovirus isolates reported. The geographic breakdown of these isolates are shown in the following table by State. Of the type I isolates 31 percent were from Texas.

## PERCENT POLIOVIRUS ISOLATIONS BY FINAL CLASSIFICATION

Final Classification	Percent of Specimens Yielding Poliovirus				
	1958	1959	1960	1961	1962
Nonparalytic, aseptic meningitis syndrome	32.7	40.3	48.7	34.7	57.6
Paralytic, no residual paralysis	59.3	58.5	60.5	45.8	56.6
Paralytic with residual paralysis	77.4	78.1	76.6	78.3	85.8

(For a more detailed presentation of poliovirus isolations and the occurrence of poliomyelitis during the years 1958-61, see: Surveillance of Poliomyelitis in the United States, 1958-61. Pub. Health Rep. 77:1011-1020, December 1962).

The table below left compares the clinical classification of polio with the percent of specimens yielding poliovirus, as reported to the Poliomyelitis Surveillance Unit from 1958 to 1962. This final classification is based upon a clinical examination 60 days or longer following onset of illness. A markedly higher percentage of virus isolations from paralytic cases with residual paralysis has been consistently observed in all years.

PARALYTIC POLIO MYELITIS BY STATE - 1962  
LABORATORY STUDIES AND POLIOVIRUS ISOLATIONS  
REPORTED ON PSU FORMS

State	Total Paralytic Cases	Total Cases Studied in Lab.	Poliovirus Isolations		
			I	II	III
Alabama	20	15	10	1	1
Alaska	-	-	-	-	-
Arizona	3	2	2	-	-
Arkansas	19	10	7	1	-
California	68	44	26	1	13
Colorado	4	3	1	2	-
Connecticut	0	-	-	-	-
Delaware	-	-	-	-	-
District of Columbia	2	1	-	-	1
Florida	11	3	1	-	1
Georgia	18	11	7	-	2
Hawaii	-	-	-	-	-
Idaho	1	1	-	-	1
Illinois	48	42	31	-	8
Indiana	22	11	6	-	2
Iowa	3	2	1	-	-
Kansas	-	-	-	-	-
Kentucky	14	12	11	-	1
Louisiana	36	34	20	-	9
Maine	-	-	-	-	-
Maryland	1	1	1	-	-
Massachusetts	6	3	3	-	-
Michigan	17	13	8	-	5
Minnesota	5	5	3	-	-
Mississippi	22	12	2	-	8
Missouri	6	3	1	2	-
Montana	2	1	1	-	-
Nebraska	7	2	-	-	1
Nevada	-	-	-	-	-
New Hampshire	3	3	1	-	2
New Jersey	8	6	3	-	1
New Mexico	2	2	2	-	-
New York	27	20	7	-	7
North Carolina	11	6	3	-	-
North Dakota	3	2	-	-	-
Ohio	18	17	9*	-	4*
Oklahoma	28	9	5	-	3
Oregon	4	4	-	-	2
Pennsylvania	16	11	4	-	3
Rhode Island	-	-	-	-	-
South Carolina	6	6	2	-	3
South Dakota	1	-	-	-	-
Tennessee	7	5	2	1	1
Texas	174	107	92	-	8
Utah	1	1	1	-	-
Vermont	1	1	-	-	1
Virginia	8	4	1	-	3
Washington	5	5	3	-	1
West Virginia	16	15	12	-	1
Wisconsin	8	8	5	-	3
Wyoming	1	1	1	-	-
TOTAL	683	464	295	8	96

\*Includes one case from which both types I and III were isolated.

# SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

## NOVEMBER 1963 AND NOVEMBER 1962

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Area November 1963 and November 1962 - Provisional data

Reporting Area	November		Cumulative Jan - Nov		Reporting Area	November		Cumulative Jan - Nov	
	1963	1962	1963	1962		1963	1962	1963	1962
NEW ENGLAND.....	42	47	437	499	EAST SOUTH CENTRAL.....	124	90	1,429	1,085
Maine.....	2	2	11	8	Kentucky.....	7	10	141	123
New Hampshire.....	-	3	5	12	Tennessee.....	26	32	365	305
Vermont.....	-	1	7	1	Alabama.....	55	43	639	535
Massachusetts.....	30	23	277	309	Mississippi.....	36	5	284	122
Rhode Island.....	4	3	19	27					
Connecticut.....	6	15	118	142	WEST SOUTH CENTRAL.....	201	237	2,499	2,629
MIDDLE ATLANTIC.....	514	610	5,626	5,607	Arkansas.....	12	41	185	227
Upstate New York.....	60	67	646	584	Louisiana.....	44	60	520	1,040
New York City.....	308	367	3,168	3,058	Oklahoma.....	12	23	176	141
Pa. (Excl. Phila.).....	15	14	159	153	Texas.....	133	113	1,618	1,221
Philadelphia.....	34	53	581	714					
New Jersey.....	97	109	1,072	1,098	MOUNTAIN.....	39	42	445	343
					Montana.....	4	-	13	7
EAST NORTH CENTRAL.....	158	186	1,812	1,597	Idaho.....	1	-	7	4
Ohio.....	55	25	379	301	Wyoming.....	-	-	15	-
Indiana.....	5	9	51	87	Colorado.....	2	3	33	65
Downstate Illinois.....	12	14	113	114	New Mexico.....	18	11	127	68
Chicago.....	37	94	801	766	Arizona.....	12	18	183	127
Michigan.....	45	35	412	273	Utah.....	-	1	15	7
Wisconsin.....	4	9	56	56	Nevada.....	2	9	52	65
WEST NORTH CENTRAL.....	36	37	450	374	PACIFIC.....	204	163	2,063	1,724
Minnesota.....	7	6	71	56	Washington.....	12	3	118	34
Iowa.....	2	6	27	44	Oregon.....	1	4	56	44
Missouri.....	18	12	209	171	California.....	188	156	1,863	1,625
North Dakota.....	-	-	4	4	Alaska.....	1	-	7	5
South Dakota.....	4	1	30	30	Hawaii.....	2	-	19	16
Nebraska.....	2	8	54	20					
Kansas.....	3	4	55	49	U. S. TOTAL.....	1,803	1,943	20,543	19,365
SOUTH ATLANTIC.....	485	531	5,782	5,507	TERRITORIES.....	73	35	771	474
Delaware.....	5	2	49	37	Puerto Rico.....	72	34	755	446
Maryland.....	41	42	515	481	Virgin Islands.....	1	1	16	28
District of Columbia.....	28	60	627	670					
Virginia.....	26	27	305	392					
West Virginia.....	2	8	39	44					
North Carolina.....	73	71	827	718					
South Carolina.....	68	56	675	742					
Georgia.....	86	87	997	914					
Florida.....	156	178	1,748	1,509					

Note: Cumulative Totals include revised and delayed reports through previous months.

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## Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
DECEMBER 28, 1963 AND DECEMBER 29, 1962

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	52nd week		Cumulative First 52 weeks		52nd week		Cumulative First 52 weeks		52nd week		52nd week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES.....	3	21	431	902	3	16	368	717	-	5	34	19
NEW ENGLAND.....	-	-	8	9	-	-	8	8	-	-	-	-
Maine.....	-	-	2	-	-	-	2	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	1	1	-	-	1	-	-	-	-	-
Massachusetts.....	-	-	3	7	-	-	3	7	-	-	-	-
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	2	1	-	-	2	1	-	-	-	-
MIDDLE ATLANTIC.....	1	3	121	92	1	3	96	70	-	-	1	-
New York.....	-	-	12	61	-	-	7	42	-	-	1	-
New Jersey.....	-	1	4	10	-	1	3	10	-	-	-	-
Pennsylvania.....	1	2	105	21	1	2	86	18	-	-	-	-
EAST NORTH CENTRAL.....	-	-	58	139	-	-	47	106	-	-	5	2
Ohio.....	-	-	8	20	-	-	4	18	-	-	-	-
Indiana.....	-	-	4	24	-	-	3	19	-	-	-	-
Illinois.....	-	-	17	62	-	-	16	45	-	-	2	1
Michigan.....	-	-	20	21	-	-	20	17	-	-	3	1
Wisconsin.....	-	-	9	12	-	-	4	7	-	-	-	-
WEST NORTH CENTRAL.....	-	-	8	41	-	-	6	30	-	-	1	1
Minnesota.....	-	-	4	7	-	-	4	7	-	-	1	1
Iowa.....	-	-	-	7	-	-	-	3	-	-	-	-
Missouri.....	-	-	1	12	-	-	-	7	-	-	-	-
North Dakota.....	-	-	1	5	-	-	-	3	-	-	-	-
South Dakota.....	-	-	1	2	-	-	1	2	-	-	-	-
Nebraska.....	-	-	1	8	-	-	1	8	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	1	3	102	79	1	2	89	68	-	1	4	1
Delaware.....	-	-	1	-	-	-	1	-	-	-	-	1
Maryland.....	-	-	1	2	-	-	1	1	-	-	-	-
District of Columbia..	-	-	1	2	-	-	-	1	-	-	-	-
Virginia.....	-	-	21	8	-	-	16	8	-	-	-	-
West Virginia.....	-	1	4	18	-	1	4	18	-	-	-	-
North Carolina.....	-	-	6	13	-	-	5	11	-	-	-	-
South Carolina.....	-	-	9	6	-	-	8	6	-	-	-	-
Georgia.....	-	2	22	19	-	1	21	15	-	1	-	-
Florida.....	1	-	37	11	1	-	33	8	-	-	4	-
EAST SOUTH CENTRAL.....	1	2	75	84	1	1	69	70	-	1	4	2
Kentucky.....	-	1	-	31	-	-	-	24	-	1	-	-
Tennessee.....	-	-	12	12	-	-	11	6	-	-	-	-
Alabama.....	-	1	53	23	-	1	48	23	-	-	-	2
Mississippi.....	1	-	10	18	1	-	10	17	-	-	4	-
WEST SOUTH CENTRAL.....	-	11	29	343	-	8	28	263	-	3	2	3
Arkansas.....	-	3	5	25	-	2	4	21	-	1	-	-
Louisiana.....	-	3	14	35	-	2	14	31	-	1	-	-
Oklahoma.....	-	-	1	32	-	-	1	23	-	-	-	-
Texas.....	-	5	9	251	-	4	9	188	-	1	2	3
MOUNTAIN.....	-	-	7	20	-	-	5	15	-	-	2	-
Montana.....	-	-	-	4	-	-	-	3	-	-	-	-
Idaho.....	-	-	1	2	-	-	1	1	-	-	-	-
Wyoming.....	-	-	-	2	-	-	-	1	-	-	1	-
Colorado.....	-	-	1	4	-	-	-	3	-	-	1	-
New Mexico.....	-	-	1	2	-	-	-	2	-	-	-	-
Arizona.....	-	-	3	4	-	-	3	3	-	-	-	-
Utah.....	-	-	-	2	-	-	-	2	-	-	-	-
Nevada.....	-	-	1	-	-	-	1	-	-	-	-	-
PACIFIC.....	-	2	23	95	-	2	20	87	-	-	15	10
Washington.....	-	-	2	5	-	-	2	5	-	-	4	1
Oregon.....	-	-	2	7	-	-	1	5	-	-	1	-
California.....	-	2	19	83	-	2	17	77	-	-	6	8
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	4	1
Puerto Rico.....	-	-	5	13	-	-	4	13	-	-	-	-



Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
DECEMBER 28, 1963 AND DECEMBER 29, 1962 (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum				Measles	
	52nd week	Cumulative 52 weeks	52nd week	Cumulative 52 weeks	52nd week	week	52nd week				52nd	week
							Under 20 yr.	20 & over	Total			
									1963	1963	1963	1962
UNITED STATES.....	6	364	4	294	25	20	359	362	786	804	3,321	4,492
NEW ENGLAND.....	-	1	-	8	1	2	28	33	63	100	138	282
Maine.....	-	-	-	-	-	-	16	17	33	41	6	12
New Hampshire.....	-	-	-	-	-	-	5	2	7	9	1	25
Vermont.....	-	1	-	-	-	-	1	2	3	7	42	15
Massachusetts.....	-	-	-	6	-	-	3	6	9	31	29	164
Rhode Island.....	-	-	-	2	1	2	-	3	3	-	7	2
Connecticut.....	-	-	-	-	-	-	3	3	8	12	53	64
MIDDLE ATLANTIC.....	-	8	-	24	7	8	84	95	179	145	758	374
New York.....	-	4	-	13	7	6	52	48	100	80	380	162
New Jersey.....	-	1	-	4	-	-	12	18	30	23	174	54
Pennsylvania.....	-	3	-	7	-	2	20	29	49	42	204	158
EAST NORTH CENTRAL.....	1	51	-	35	5	2	97	74	180	146	688	1,954
Ohio.....	-	-	-	1	2	-	19	24	48	34	137	224
Indiana.....	-	6	-	10	-	-	7	5	12	17	97	55
Illinois.....	1	24	-	17	1	1	8	9	18	52	163	139
Michigan.....	-	6	-	5	2	1	63	34	97	38	233	497
Wisconsin.....	-	15	-	2	-	-	-	2	5	5	58	1,039
WEST NORTH CENTRAL.....	2	190	-	48	-	1	27	7	41	42	73	307
Minnesota.....	-	10	-	15	-	-	3	2	6	8	-	29
Iowa.....	2	141	-	1	-	1	12	-	12	7	31	226
Missouri.....	-	13	-	1	-	-	4	3	7	13	26	14
North Dakota.....	-	-	-	6	-	-	-	-	-	1	16	33
South Dakota.....	-	12	-	14	-	-	4	2	6	5	-	-
Nebraska.....	-	6	-	11	-	-	-	-	-	5	-	5
Kansas.....	-	8	-	-	-	-	4	-	10	3	NN	NN
SOUTH ATLANTIC.....	1	24	2	75	-	2	23	40	71	95	584	535
Delaware.....	-	-	-	-	-	-	1	3	4	1	5	6
Maryland.....	-	-	-	-	-	-	3	2	5	36	80	14
District of Columbia..	-	-	-	1	-	-	-	1	1	10	15	2
Virginia.....	-	12	1	2	-	-	3	2	7	7	186	161
West Virginia.....	-	-	-	1	-	-	5	2	13	14	206	305
North Carolina.....	-	5	-	5	-	-	4	10	14	11	9	16
South Carolina.....	-	-	-	17	-	-	1	1	2	4	61	-
Georgia.....	-	3	1	24	-	-	-	-	-	3	19	1
Florida.....	1	4	-	25	-	2	6	19	25	9	3	30
EAST SOUTH CENTRAL.....	-	14	-	22	3	-	22	17	47	70	111	72
Kentucky.....	-	3	-	-	1	-	13	6	27	36	45	44
Tennessee.....	-	6	-	3	-	-	4	6	10	18	64	23
Alabama.....	-	5	-	16	-	-	4	4	8	5	2	4
Mississippi.....	-	-	-	3	2	-	1	1	2	11	-	1
WEST SOUTH CENTRAL.....	-	38	2	73	1	1	10	19	29	37	160	102
Arkansas.....	-	9	1	4	-	-	-	1	1	2	3	1
Louisiana.....	-	9	1	37	-	-	2	5	7	11	-	2
Oklahoma.....	-	5	-	20	1	-	-	-	-	-	10	2
Texas.....	-	15	-	12	-	1	8	13	21	24	147	97
MOUNTAIN.....	-	10	-	5	-	-	24	10	63	62	231	434
Montana.....	-	-	-	-	-	-	3	4	7	13	119	212
Idaho.....	-	-	-	-	-	-	-	-	3	4	57	54
Wyoming.....	-	1	-	-	-	-	1	-	1	-	-	1
Colorado.....	-	-	-	3	-	-	5	2	28	10	24	83
New Mexico.....	-	1	-	2	-	-	13	2	15	3	NN	NN
Arizona.....	-	3	-	-	-	-	-	-	5	24	23	45
Utah.....	-	5	-	-	-	-	2	2	4	8	8	39
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	2	28	-	4	8	4	44	67	113	107	578	432
Washington.....	-	-	-	-	1	-	4	8	14	19	260	46
Oregon.....	-	3	-	-	-	-	2	6	8	10	196	60
California.....	2	23	-	4	7	4	36	52	88	73	118	249
Alaska.....	-	-	-	-	-	-	-	-	-	3	1	1
Hawaii.....	-	2	-	-	-	-	2	1	3	2	3	76
Puerto Rico.....	-	1	-	13	-	-	17	8	25	5	26	5

## Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED

DECEMBER 28, 1963 AND DECEMBER 29, 1962 (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	52nd wk.	Cumulative 52 weeks	52nd week	1962				52nd wk.	Cumulative 52 weeks	52nd week	1962	Cumulative 52 weeks
	1963	1963	1963	1962	1963	1963	1963	1963	1963	1963	1962	1963
UNITED STATES....	49	2,348	6,753	6,092	4	5	7	5	525	48	49	3,680
NEW ENGLAND.....	-	133	428	464	-	-	-	-	13	-	-	32
Maine.....	-	19	31	93	-	-	-	-	2	-	-	2
New Hampshire.....	-	4	3	20	-	-	-	-	-	-	-	15
Vermont.....	-	6	8	-	-	-	-	-	1	-	-	14
Massachusetts.....	-	59	68	91	-	-	-	-	6	-	-	1
Rhode Island.....	-	13	73	29	-	-	-	-	-	-	-	-
Connecticut.....	-	32	245	231	-	-	-	-	4	-	-	-
MIDDLE ATLANTIC....	8	337	324	330	-	-	-	-	89	1	4	119
New York.....	1	154	211	187	-	-	-	-	46	1	2	90
New Jersey.....	4	57	51	63	-	-	-	-	6	-	-	-
Pennsylvania.....	3	126	62	80	-	-	-	-	37	-	2	29
EAST NORTH CENTRAL..	10	363	757	707	-	-	1	2	69	5	6	541
Ohio.....	6	105	107	60	-	-	-	2	31	2	4	311
Indiana.....	-	47	65	142	-	-	-	-	7	-	-	52
Illinois.....	-	72	117	197	-	-	1	-	13	2	1	77
Michigan.....	4	104	338	161	-	-	-	-	13	1	1	51
Wisconsin.....	-	35	130	147	-	-	-	-	5	-	-	50
WEST NORTH CENTRAL..	8	149	276	176	-	-	-	-	29	14	10	999
Minnesota.....	3	31	7	16	-	-	-	-	3	7	3	277
Iowa.....	1	8	34	50	-	-	-	-	3	2	1	343
Missouri.....	3	44	6	3	-	-	-	-	19	3	3	180
North Dakota.....	-	17	85	95	-	-	-	-	-	-	2	41
South Dakota.....	-	7	15	5	-	-	-	-	1	2	1	102
Nebraska.....	-	25	-	1	-	-	-	-	1	-	-	33
Kansas.....	1	17	129	6	-	-	-	-	2	-	-	23
SOUTH ATLANTIC.....	5	427	527	518	1	1	3	-	83	2	6	531
Delaware.....	-	4	2	2	-	-	-	-	4	-	-	1
Maryland.....	-	58	14	54	1	-	-	-	12	-	-	2
Dist. of Columbia..	1	9	1	1	-	-	-	-	-	-	-	-
Virginia.....	-	90	144	217	-	-	-	-	13	2	-	221
West Virginia.....	-	23	165	161	-	-	-	-	7	-	6	114
North Carolina.....	-	82	11	11	-	-	-	-	18	-	-	16
South Carolina.....	-	24	16	33	-	-	-	-	9	-	-	10
Georgia.....	2	36	19	4	-	1	3	-	2	-	-	85
Florida.....	2	101	155	35	-	-	-	-	18	-	-	82
EAST SOUTH CENTRAL..	3	155	780	842	-	4	2	1	73	6	10	286
Kentucky.....	-	33	119	79	-	-	1	-	14	-	2	126
Tennessee.....	1	72	623	651	-	-	-	-	31	6	8	140
Alabama.....	1	26	25	13	-	-	-	-	11	-	-	20
Mississippi.....	1	24	13	99	-	4	1	1	17	-	-	-
WEST SOUTH CENTRAL..	6	218	901	616	1	-	-	-	86	17	4	694
Arkansas.....	-	14	3	-	1	-	-	-	34	4	1	95
Louisiana.....	3	89	8	18	-	-	-	-	26	1	-	52
Oklahoma.....	-	36	-	13	-	-	-	-	6	4	3	66
Texas.....	3	79	890	585	-	-	-	-	20	8	-	481
MOUNTAIN.....	2	87	2,186	1,659	-	-	-	-	20	-	1	139
Montana.....	1	5	106	104	-	-	-	-	1	-	-	-
Idaho.....	-	6	44	122	-	-	-	-	-	-	-	-
Wyoming.....	-	7	15	457	-	-	-	-	-	-	-	-
Colorado.....	1	26	1,459	467	-	-	-	-	6	-	-	16
New Mexico.....	-	5	294	219	-	-	-	-	6	-	-	41
Arizona.....	-	13	143	104	-	-	-	-	7	-	1	68
Utah.....	-	20	125	186	-	-	-	-	-	-	-	3
Nevada.....	-	5	-	-	-	-	-	-	-	-	-	11
PACIFIC.....	7	479	574	780	2	-	1	2	63	3	8	339
Washington.....	-	40	319	153	-	-	-	-	3	-	-	-
Oregon.....	-	35	20	20	1	-	1	1	3	-	-	13
California.....	7	373	192	499	-	-	-	1	54	3	8	317
Alaska.....	-	17	1	50	-	-	-	-	1	-	-	9
Hawaii.....	-	14	42	58	1	-	-	-	2	-	-	-
Puerto Rico.....	-	8	6	1	-	-	-	-	14	1	-	17

# Morbidity and Mortality Weekly Report

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Table 4 (D). TOTAL DEATHS AMONG PERSONS 65 YEARS AND OVER IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)<sup>o</sup>

Area	For weeks ending				Area	For weeks ending			
	12/7	12/14	12/21	12/28		12/7	12/14	12/21	12/28
<b>NEW ENGLAND:</b>					<b>SOUTH ATLANTIC:</b>				
Boston, Mass.....	109	149	146	164	Atlanta, Ga.....	75	60	64	51
Bridgeport, Conn.....	20	24	18	22	Baltimore, Md.....	144	161	126	127
Cambridge, Mass.....	22	24	27	27	Charlotte, N.C.....	17	19	19	4
Fall River, Mass.....	19	27	18	15	Jacksonville, Fla.....	30	38	36	33
Hartford, Conn.....	35	38	32	35	Miami, Fla.....	54	63	50	40
Lowell, Mass.....	8	18	8	26	Norfolk, Va.....	22	27	25	17
Lynn, Mass.....	14	20	14	20	Richmond, Va.....	49	46	62	54
New Bedford, Mass.....	20	20	13	31	Savannah, Ga.....	24	19	12	21
New Haven, Conn.....	31	32	27	36	St. Petersburg, Fla.....	48	60	62	63
Providence, R.I.....	31	44	37	49	Tampa, Fla.....	53	33	56	39
Somerville, Mass.....	12	12	9	7	Washington, D.C.....	98	90	85	94
Springfield, Mass.....	38	37	31	37	Wilmington, Del.....	17	31	14	19
Waterbury, Conn.....	15	19	14	21					
Worcester, Mass.....	45	35	35	34	<b>EAST SOUTH CENTRAL:</b>				
<b>MIDDLE ATLANTIC:</b>					Birmingham, Ala.....	47	52	42	30
Albany, N.Y.....	31	23	25	35	Chattanooga, Tenn.....	26	29	21	19
Allentown, Pa.....	20	26	23	29	Knoxville, Tenn.....	29	22	28	16
Buffalo, N.Y.....	112	82	72	88	Louisville, Ky.....	102	70	70	34
Camden, N.J.....	26	42	23	31	Memphis, Tenn.....	63	48	66	34
Elizabeth, N.J.....	27	17	11	20	Mobile, Ala.....	18	30	23	23
Erie, Pa.....	24	22	18	38	Montgomery, Ala.....	25	18	18	9
Jersey City, N.J.....	37	52	32	49	Nashville, Tenn.....	71	55	62	34
Newark, N.J.....	46	57	55	51	<b>WEST SOUTH CENTRAL:</b>				
New York City, N.Y.....	967	960	1,010	1,097	Austin, Tex.....	14	34	19	26
Paterson, N.J.....	30	19	22	24	Baton Rouge, La.....	16	20	12	12
Philadelphia, Pa.....	279	274	309	236	Corpus Christi, Tex.....	17	18	8	8
Pittsburgh, Pa.....	127	138	82	59	Dallas, Tex.....	67	62	86	59
Reading, Pa.....	29	27	50	36	El Paso, Tex.....	15	28	21	14
Rochester, N.Y.....	86	68	72	69	Fort Worth, Tex.....	49	45	43	38
Schenectady, N.Y.....	20	27	17	25	Houston, Tex.....	79	79	89	61
Scranton, Pa.....	33	27	20	31	Little Rock, Ark.....	36	49	39	30
Syracuse, N.Y.....	40	33	44	32	New Orleans, La.....	80	89	96	116
Trenton, N.J.....	28	27	17	34	Oklahoma City, Okla.....	58	47	48	33
Utica, N.Y.....	12	25	18	20	San Antonio, Tex.....	62	47	61	75
Yonkers, N.Y.....	21	25	25	19	Shreveport, La.....	31	36	30	19
<b>EAST NORTH CENTRAL:</b>					Tulsa, Okla.....	51	33	22	44
Akron, Ohio.....	35	36	32	36	<b>MOUNTAIN:</b>				
Canton, Ohio.....	24	22	27	27	Albuquerque, N. Mex.....	18	10	14	22
Chicago, Ill.....	422	436	446	462	Colorado Springs, Colo.....	15	21	19	9
Cincinnati, Ohio.....	105	106	76	111	Denver, Colo.....	70	77	75	34
Cleveland, Ohio.....	123	111	78	82	Ogden, Utah.....	11	8	11	7
Columbus, Ohio.....	65	72	60	93	Phoenix, Ariz.....	56	57	40	63
Dayton, Ohio.....	42	58	45	43	Pueblo, Colo.....	7	8	11	8
Detroit, Mich.....	202	214	195	213	Salt Lake City, Utah.....	34	24	39	34
Evansville, Ind.....	34	23	34	30	Tucson, Ariz.....	36	25	31	26
Flint, Mich.....	28	24	33	28	<b>PACIFIC:</b>				
Fort Wayne, Ind.....	27	23	34	34	Berkeley, Calif.....	18	15	12	14
Gary, Ind.....	9	15	25	25	Fresno, Calif.....	30	31	38	42
Grand Rapids, Mich.....	44	47	40	26	Glendale, Calif.....	21	28	25	27
Indianapolis, Ind.....	117	95	80	78	Honolulu, Hawaii.....	22	13	17	18
Madison, Wis.....	21	20	25	15	Long Beach, Calif.....	36	47	44	35
Milwaukee, Wis.....	95	86	89	75	Los Angeles, Calif.....	351	306	337	281
Peoria, Ill.....	22	18	22	22	Oakland, Calif.....	67	54	55	56
Rockford, Ill.....	12	18	23	27	Pasadena, Calif.....	28	20	31	29
South Bend, Ind.....	18	26	35	19	Portland, Oreg.....	85	70	60	24
Toledo, Ohio.....	68	66	79	55	Sacramento, Calif.....	30	37	42	30
Youngstown, Ohio.....	39	33	28	43	San Diego, Calif.....	53	64	48	45
<b>WEST NORTH CENTRAL:</b>					San Francisco, Calif.....	123	116	128	117
Des Moines, Iowa.....	49	32	35	31	San Jose, Calif.....	22	21	26	14
Duluth, Minn.....	23	15	23	18	Seattle, Wash.....	126	77	93	79
Kansas City, Kans.....	26	16	18	21	Spokane, Wash.....	40	38	44	24
Kansas City, Mo.....	90	93	99	97	Tacoma, Wash.....	37	18	32	26
Lincoln, Nebr.....	20	9	17	13					
Minneapolis, Minn.....	96	79	90	95	San Juan, P.R.....	(---)	(---)	(---)	(---)
Omaha, Nebr.....	59	36	27	57					
St. Louis, Mo.....	158	164	157	148					
St. Paul, Minn.....	46	51	46	70					
Wichita, Kans.....	35	33	24	21					

\*Estimate - based on average percent of divisional total.  
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

<sup>o</sup> Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages.....	11,541
4(B) Pneumonia-Influenza Deaths, all ages.....	529
4(C) Total Deaths under 1 Year of Age.....	627
4(D) Total Deaths, Persons 65 years and over.....	6,628



## INTERNATIONAL NOTES – QUARANTINE MEASURES

## Suspect Smallpox – Peru

Four cases of suspect smallpox have been reported in Lima by the Peruvian Embassy. The first case is believed to have been exposed in Pucallpa, Peru (near the Brazilian border). Mandatory smallpox vaccinations are in progress.

No cases of smallpox had been reported in Peru during 1963, prior to the above suspect cases.

*(Reported by Division of Foreign Quarantine, U. S. Public Health Service.)*

## Smallpox – Nepal

A total of 3,112 cases of smallpox have been reported in an epidemic in Katmandu during the week ended December 14. Only 93 cases were reported during the period November 10 to December 7.

*(Reported in the Weekly Epidemiological Record of the World Health Organization, December 20, 1963.)*

Immunization Information for International Travel  
PHS 384, 1963-64 Edition

The following information should be added to the list of Yellow Fever Vaccination Centers in Section 6:

CITY: Sacramento, California

CENTER: Sacramento County Health Department  
2221 Stockton Blvd. – Tel. 454-2121

CLINIC HOURS: Wednesday 2 p.m. by appointment

FEE: Yes

Immunization Information for International Travel  
PHS 384, 1963-64 Edition

Please change the clinic hours for the Henry Ford Hospital, Preventive Medicine Clinic, 2799 West Grand Boulevard from:

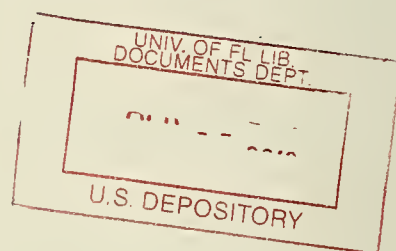
Manday and Friday, 8 a.m. – 3 p.m.  
by appointment only.

to read:

Wednesday, 2 p.m.  
by appointment only.

In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

Lawrence K. Altman, M.D., Editor  
Morbidity and Mortality Weekly Report  
Communicable Disease Center  
Atlanta, Georgia 30333



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